

Title (en)
ELECTRONIC RUDDER BIAS SYSTEM

Title (de)
ELEKTRONISCHES RUDERVORSPANNUNGSSYSTEM

Title (fr)
SYSTÈME ÉLECTRONIQUE DE POLARISATION DE GOUVERNAIL

Publication
EP 3383741 B1 20200610 (EN)

Application
EP 16871462 A 20161201

Priority
• US 201562262466 P 20151203
• US 2016064312 W 20161201

Abstract (en)
[origin: WO2017095980A1] A rudder bias system for an aircraft with a right engine and a left engine includes a component determining a left and right primary and secondary thrust estimates. The system includes a left engine thrust estimate selector determining a left selected estimate based on the left thrust estimates and a right engine thrust estimate selector determining a right selected estimate based on the right thrust estimates. The system includes an enable and mode component determining one or more corresponding validities for the thrust estimates. The system includes a control component generating an engage command based on a thrust differential between the right engine and the left engine, calculated from the left selected estimate and the right selected estimate and a torque command based on an equivalent pedal force assistance calculated as a difference between the thrust differential and an activation threshold.

IPC 8 full level
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